

**DECLARATION
FOR UTILITY OR DESIGN
PATENT APPLICATION**

) Attorney Docket No.: DOCKET 00-253
) (68486)
) First Named Inventor: Kumar Nagarajan
)
) Application Number: TBD
[x] Declaration [] Declaration)
Submitted Submitted) Filing Date: Herewith
With After)
Initial Initial) Group Art Unit: Not yet assigned
Filing Filing)
) Examiner Name: Not yet assigned

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

BALANCED COEFFICIENT OF THERMAL EXPANSION FOR FLIP CHIP BALL GRID ARRAY

the specification of which:

[X] is attached hereto, or

[] was filed by an authorized person on my behalf on _____ as United States Application Number _____
(Date)
or PCT International Application Number _____,
and was amended on _____ (if applicable).
(Date)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application

Declaration
Docket 00-253 (68486)
Page 2

America, listed below, and I have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application, on this invention filed by me or my legal representatives or assigns and having a filing date before that of the application on which priority is claimed:

| Prior Foreign Application Number(s) | Country | Foreign Filing Date | Priority Not Claimed | Certified Copy Attached Yes | No |
|-------------------------------------|---------|---------------------|----------------------|-----------------------------|----|
| N/A | | | | | |

[] Additional foreign application numbers are listed on a supplemental priority data sheet attached hereto.

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

| Provisional Application Number(s) | Provisional Application Filing Date |
|-----------------------------------|-------------------------------------|
| N/A | |

[] Additional provisional application numbers are listed on a supplemental priority data sheet attached hereto.

I hereby claim the benefit under Title 35, United States Code, §120, of any prior United States application(s), or under §365(c) of any PCT international application(s) designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56, which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application:

| Prior U.S. Application Number | Prior PCT International Application Number | Filing Date of U.S. or PCT International Application | Patent Number (if applicable) |
|-------------------------------|--|--|-------------------------------|
| N/A | | | |

[] Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet attached hereto.

Declaration
Docket 00-253 (68486)
Page 3

As a named inventor, I hereby appoint the following registered practitioners, with full power of substitution and revocation, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, and request that all correspondence and telephone calls in respect to this application be directed to:

LSI Logic Corporation
Corporate Legal Department
Intellectual Property Services Group
1551 McCarthy Blvd., M/S D-106
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Telephone 408-433-8708; FAX 408-433-7770

and I hereby further appoint:

| | |
|--------------------|--------|
| Ralph R. Veseli | 33,807 |
| Gary E. Ross | 29,431 |
| David G. Pursel | 28,659 |
| Sandeep Jaggi | 43,331 |
| Bruce R. Hopenfeld | 39,719 |
| Lloyd E. Dakin | 38,423 |

Whose address is: LSI LOGIC CORPORATION, 1551 McCarthy Blvd., Milpitas, CA 95035; Telephone No. (408) 433-8000

and I hereby further appoint:

| <u>Registered Practitioner</u> | <u>Reg. No.</u> | <u>Registered Practitioner</u> | <u>Reg. No.</u> |
|------------------------------------|-----------------|------------------------------------|-----------------|
| Morgan L. Fitch, Jr. | 17,023 | Robert J. Fox | 27,635 |
| Francis A. Even | 16,880 | Kenneth H. Samples | 25,747 |
| Julius Tabin | 16,754 | Philip T. Petti | 31,651 |
| John F. Flannery | 19,759 | Bruce R. Mansfield | 29,086 |
| Robert B. Jones | 20,135 | Richard A. Kaba | 30,562 |
| James J. Schumann | 20,856 | Karl R. Fink | 34,161 |
| James J. Hamill | 19,958 | Thomas F. Lebens | 38,221 |
| Timothy E. Levstik | 30,192 | Richard E. Wawrzyniak | 36,048 |
| Joseph E. Shipley | 31,137 | Scott J. Menghini | 42,880 |

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made herein on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity or enforceability of the application or any patent issued thereon.

Declaration

Docket 00-253 (68486)

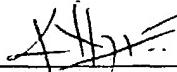
Page 4

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(Given names first, with Family name last)

Inventor's signature:



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9/22/00

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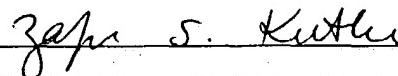
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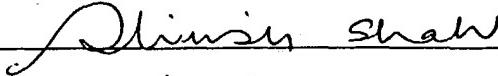
US

Full name of sole or one joint inventor:

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